1050W
HAMMER DRILL

Original instructions & Warranty

3 YEAR WARRANTY

CUSTOMER HELPLINE

After Sales Support

Now you have purchased a Power Craft product you can rest assured in the knowledge that as well as your 3 year parts and labour warranty you have the added peace of mind of dedicated helplines and web support.

AFTER SALES SUPPORT

UK HELPLINE NO 0905-1460005 (£ 0,06 /min.)
IRELAND HELPLINE NO 1520-932626 (€ 0,15 /min.)
WEB SUPPORT www.servotool.eu

Model number: PKB-1050/2
ART.NO: PDM6021

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Introduction

Congratulations on choosing to buy a Powercraft Product

By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Europe's leading manufacturers.

All products brought to you by PowerCraft are manufactured to the highest standards of performances and safety, and, as part of our philosophy for customer service and satisfaction, are backed by our comprehensive 3 Year Warranty.

We hope you will enjoy using your purchase for many years to come.

HAMMER DRILL

For your own safety and that of others, we recommend that you read this instruction manual carefully before using this machine. Keep this instruction manual and the documentation provided with the machine for future reference.

Contents of packing

1 Hammer drill
1 Auxiliary handle
1 Depth limiter
3 Masonry drill bits
1 Users manual
1 After sales support card
1 Quick set-up guide

Check the appliance, any loose parts and accessories for damage caused during transport.

Machine data

Technical specifications

Mains voltage	230 V~
Mains frequency	50 Hz
Power input	1050W
No-load speed	0 - 1000 / 0 - 2800/min
Impact rate	
Drilling	0 - 16000/min
Hammer drilling	0 - 44800/min
Max, drill bit diameter	
Wood	30 mm
Concrete	13 mm
Steel	13 mm
Protection class	IP 20
Weight	3.1 kg
L_{pa} (sound pressure)	91.4 dB(A)
L_{wa} (Acoustic power)	102.4 dB(A)
Uncertainly (K)	3
Vibration	4.05 m/s^2
Vibration into concrete	18.13 m/s^2
Uncertainly (K)	1.5

Product information

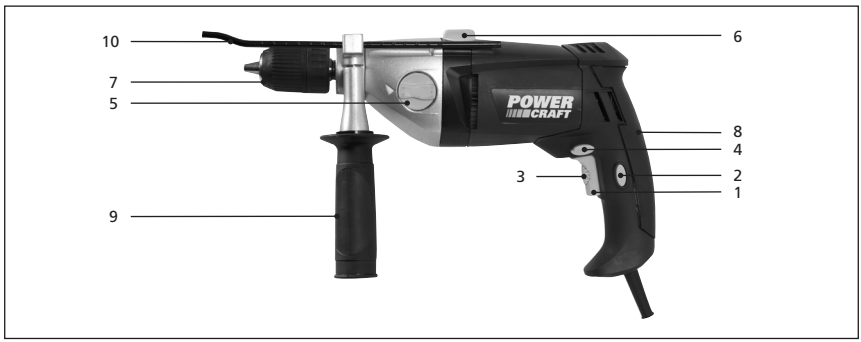


Fig. A

Safety instructions

1. On/off switch
2. Lock-on button
3. Speed adjustment wheel
4. Forward/reverse switch
5. Switch for mechanical speed
6. Switch for drilling/hammer drilling
7. Chuck
8. Main grip
9. Auxiliary grip
10. Depth stop

Explanation of the symbols

Read instructions carefully.

In accordance with essential applicable safety standards of European directives.

Class II machine – Double insulation – You don't need any earthed plug.

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Indicates electrical shock hazard.

Adjustable speed regulator.

Do not use in rain.

Wear ear and eye protection.

Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.

Safety instructions

General safety instructions
Warning! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool. Save these instructions!

1) Work area

a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.
b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust of fumes.
c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs which earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

Safety instructions

3) Personal safety

a. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness while operating power tools may result in serious personal injury.

b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

d. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g. Use clamps or a vice to hold work. It's safer than using your hand and it frees both hands to operate tool.

4) Power tool use and care

a. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

Safety instructions

e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
f. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.
g. Damaged switches must be replaced at a customer service repair centre. Do not use power tools that cannot be switched on and off.
h. Do not leave power tools unattended while they are switched on. Always switch off the tool and wait until it has come to a full standstill before leaving.
i. If the mains cable has been damaged, it must be replaced with a special mains cable. These can be obtained from the manufacturer or the manufacturer's customer service department.

5) Service

a. Please use a qualified expert who uses original replacement parts to repair your power tool.
b. Caution! The use of any accessories or additional tools other than those recommended in this manual may lead to an increased risk of injury. Only use original replacement parts.

Safety instructions

Electrical safety

Always check that the voltage on the machine corresponds to the voltage on the rating plate. Also check that your mains voltage corresponds to the input voltage of the battery charger.

The machine is double insulated; therefore no earth wire is required.

- Do not use the machine if the mains cable or the mains plug is damaged.
- Only use extension cables that are suitable for the power rating of the machine with a minimum thickness of 1.5 mm^2. If you use an extension cable reel, always fully unroll the cable.

Mains plug replacement
If the moulded 3-pin plug attached to the unit is damaged and needs replacing, it is important that it is correctly removed and replaced by an approved BS 1363/13A fused plug and that the following wiring instructions are followed.

The wires in the mains cable are coloured in accordance with the following code:

blue	neutral
brown	live

As the colours of the wires in the mains cable of the unit may not correspond to the coloured markings identifying the terminals in the plug, proceed as follows:

- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Safety instructions

Vibration level
The vibration emission level stated in this instruction manual has been measured in accordance with a standardised test given in EN 60745; it may be used to compare one tool with another and as a preliminary assessment of exposure to vibration when using the tool for the applications mentioned

- Using the tool for different applications, or with different or poorly maintained accessories, may significantly increase the exposure level
- The times when the tool is switched off or when it is running but not actually doing the job, may significantly reduce the exposure level

Protect yourself against the effects of vibration by maintaining the tool and its accessories, keeping your hands warm, and organizing your work patterns.

Mounting accessories

Before assembly, always switch off the machine and remove the mains plug from the mains.

Mounting and removing the drill bit

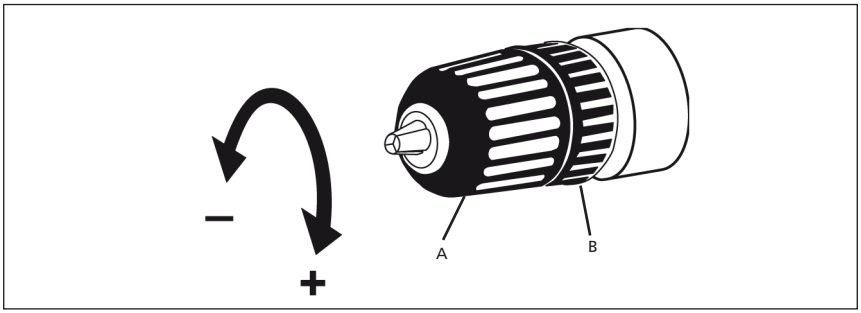


Fig. B

The machine is suitable for use of the following drill bits:
- Wood (HSS)
- Metal (HSS)
- Concrete / masonry (hard metal)

Mounting
- Open the chuck (A) by turning the collar counterclockwise.
- Insert the drill bit into the chuck (A).
- Close the chuck (A) by turning the collar clockwise.

Removing
- Open the chuck (A) by turning the collar counterclockwise.
- Remove the drill bit from the chuck (A).
- Close the chuck (A) by turning the collar clockwise.

Locking the chuck

When the drill bit is inserted and the drill chuck tightened, it is possible to lock the drill chuck.
- Press A into B to lock the drill chuck.
- Pull out A to unlock the drill chuck.

Mounting accessories

Mounting and removing the auxiliary grip

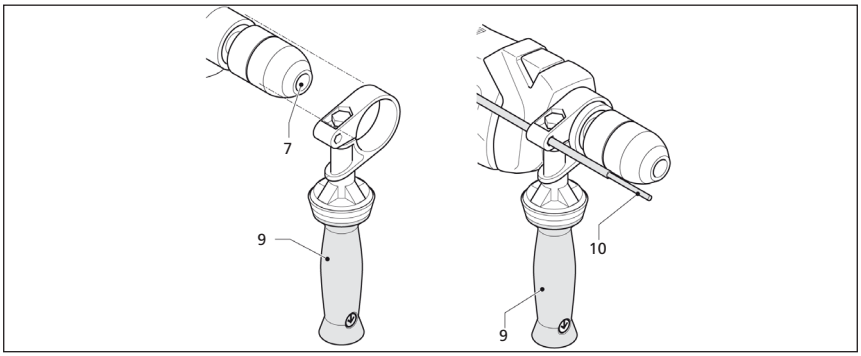


Fig. C

Mounting
- Loosen the auxiliary grip (9).
- Slide the auxiliary grip (9) over the chuck (7).
- Turn the auxiliary grip (9) to the required position.
- Tighten the auxiliary grip (9).

Removing
- Loosen the auxiliary grip (9).
- Remove the auxiliary grip (9) from the chuck (7).
- Tighten the auxiliary grip (9).

Mounting and removing the depth stop
The depth stop is used to set the maximum drilling depth.

Mounting
- Loosen the auxiliary grip (9).
- Insert the depth stop (10) through the hole in the auxiliary grip (9).
- Set the depth stop (10) to the required position.
- Tighten the auxiliary grip (9).

Removing
- Loosen the auxiliary grip (9).
- Remove the depth stop (10) from the auxiliary grip (9).
- Tighten the auxiliary grip (9).

Operation

Switching on and off (Fig. A)

- To switch on the machine, press the on/off switch (1). The further the on/off switch (1) is pressed, the higher the speed of the machine.
- To switch the machine to continuous mode, keep the on/off switch (1) pressed and simultaneously press the lock-on button (2).
- To switch off continuous mode, press the on/off switch (1) again.
- To switch off the machine, release the on/off switch (1).

Forward/reverse switch (Fig. A)

Do not change the direction of rotation during use.

- For clockwise rotation, press the forward/reverse switch (4) to the left.
- For counterclockwise rotation, press the forward/reverse switch (4) to the right.

Setting the maximum drilling speed (Fig. A)

Do not set the speed during use.

- Turn the speed adjustment wheel (3) clockwise to increase the maximum drilling speed.
- Turn the speed adjustment wheel (3) counterclockwise to decrease the maximum drilling speed.

Setting the mechanical drilling speed (Fig. A)

Do not set the speed during use.

- If you set the switch (5) to position "1", the drilling speed can be continuously adjusted between 0 and 1000 $^{min-1}$.
- If you set the switch (5) to position "2", the drilling speed can be continuously adjusted between 0 and 2800 $^{min-1}$.

Operation

Setting the operating mode (Fig. A)

Do not change the operating mode during use.

- Set the switch (6) to position "A" for drilling.
- Set the switch (6) to position "B" for hammer drilling.

Hints for optimum use

- Clamp the workpiece.
- Firmly hold the machine with both hands.
- Place the drill bit on the workpiece.
- Switch on the machine.
- Do not apply too much pressure on the machine. Let the machine do the work.
- Switch off the machine and wait for the machine to come to a complete standstill before putting the machine down.

Maintenance

Make sure that the machine is not live when carrying out maintenance work on the motor.

These machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

Cleaning
Keep the ventilation slots of the machine clean to prevent overheating of the engine. Regularly clean the machine housing with a soft cloth, preferably after each use. Keep the ventilation slots free from dust and dirt. If the dirt does not come off use a soft cloth moistened with soapy water. Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

Lubrication
The machine requires no additional lubrication.

Faults
Should a fault occur, e.g. after wear of a part, please contact the service address on the warranty card. In the back of this manual you will find an exploded view showing the parts that can be ordered.

Environment
To prevent damage during transport, the appliance is delivered in a solid packaging which consists largely of reusable material. Therefore please make use of options for recycling the packaging.

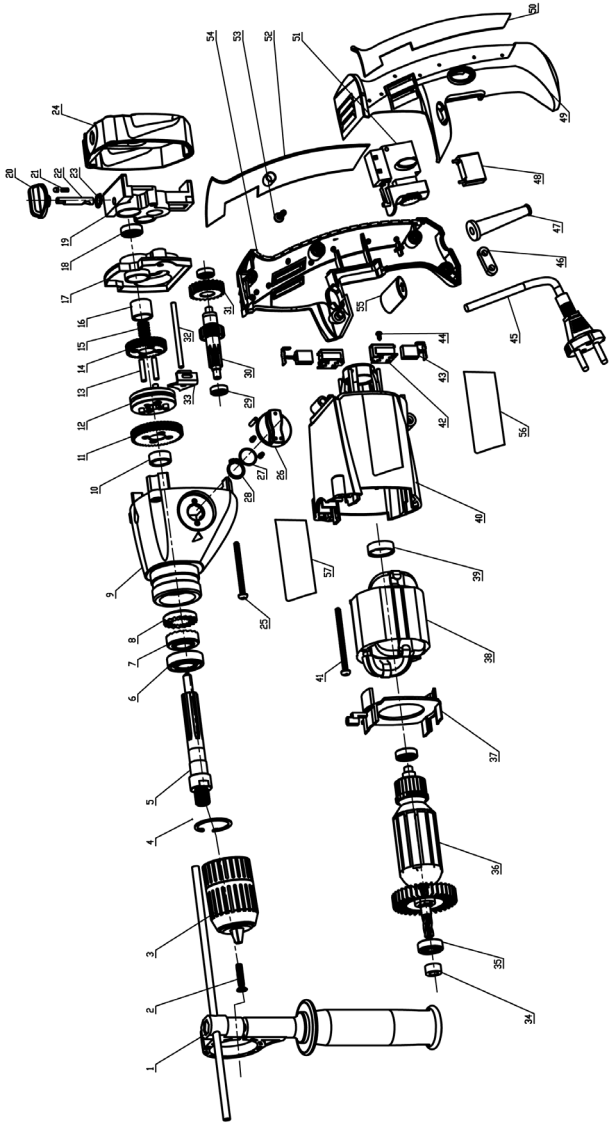
Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations. Do not dispose of power tools into domestic waste. According to the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally friendly way.

The product and the user manual are subject to change. Specifications can be changed without further notice.

Parts list

Part no	Description	Position
702887	Auxiliary handle	1
702888	Drill chuck + bolt left	2 + 3
702889	Carbon brush set	43
702890	Switch	51

Exploded view



Warranty

EC DECLARATION OF CONFORMITY CE

We Ferm B.V.
Lingenstraat 6, 8028 PM Zwolle, The Netherlands
declare that the design and construction of the following machine, in the form supplied by us, comply with the requirements of the appropriate EC directives.
Product Description: **HAMMER DRILL**
Model: **PKB-1020/2**
Appropriate EC directives: **2006/42/EC, 2006/95/EC, 2004/108/EC, 2002/95/EC, 2002/96/EC**
Applicable harmonised norms: **EN60745-1, EN60745-2-1, EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3.**

J.A. Bakker - van Ingen
CEO Ferm B.V.

12/2010

WARRANTY CERTIFICATE

Year of manufacture: 12/2010 HAMMER DRILL PKB-1020/2
Congratulations! You have made an excellent choice with the purchase of this Quality product. Our commitment to quality also includes our service. Should you, contrary to expectations, experience defects due to material or manufacturing faults during private use within 36 months of the date of purchase we shall be liable for warranty in accordance with statutory warranty regulations, provided that: - The device was not put to any use other than the intended.- Was not overloaded. - Was not used with the wrong accessories. - Repairs where not carried out by any other than the authorised workshop. The warranty certificate is only valid in connection with the receipt. Please keep both in a safe place. The warranty does not affect your statutory rights.
The product is guaranteed for a period of three years beginning on the day of purchase. Keep your purchase receipt safe as proof of the date of purchase. The guarantee period can only be extended for the duration of any repair required.
During the warranty period, defective devices can be sent **FREIGHT PREPAID** to the service address stated at the end of this booklet. We will, at our discretion either repair or exchange the device in accordance with warranty legislation.
Please include the following when sending in your product for repair:

1. The receipt (proof of purchase)
2. This warranty certificate with your name, address, contact details and a fault description completed overleaf.

If the original receipt is not enclosed the repair will be charged for in all cases. After the warranty has expired you can still send defective devices for repairs **FREIGHT PREPAID** to the address at the end of this booklet. Quotes as well as repairs after warranty period are to be paid for in all cases. Ensure the product is sent well packed as no responsibility can be accepted for items lost or damaged in transit. This warranty does not affect your statutory rights.

POWER CRAFT

1050W HAMMER DRILL

PKB-1020/2

If you are requested by the manufacturer to return the item for repair please complete the enclosed section and send it together with your product and your receipt (proof of purchase) to the service address shown below.

Name: _____

Address: _____

_____

Contact Telephone No.: _____

Fault Description: _____

_____

_____

_____

Please complete this section before sending in your warranty certificate.

In order to deal with your enquiry as quickly and efficiently as possible, we ask you to send your enquiry by email (servotool@circuit-tech.co.uk). Do not forget to include your name, address and a daytime telephone number.
Alternatively, you can contact our service hot-line on the number given below.
Office hours are as follows:
Mon - Fri: 8 am - 6 pm, Sat: 10 am - 2 pm, Sun: 10 am - 4 pm

UK Helpline

Circuit Tech Ltd.
Units 1/9 Stanley Mill • Kirkebrok Road • Deane, Bolton Lancs, England • BL3 4JE

Service Center

0905-1460005 - £ 0,06 /min.

Ireland Helpline

Circuit Tech Ltd.
Units 1/9 Stanley Mill • Kirkebrok Road • Deane, Bolton Lancs, England • BL3 4JE

Service Center

1520-932626 - € 0,15 /min.

WEB SUPPORT

www.servotool.eu

Replacements or repairs under guarantee regulations are free of charge.

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